

Appendix A

RFID Tag Placement Guide

The following pages provide pictures of equipment and locations to place RFID tags. It is important to place the tags in the same location for each type of equipment to ensure proper read by the interrogators as well as easy to locate for removal or battery replacement.

General Guidelines:

- Tags should be attached to the item using 2 plastic cable ties, with a minimum tensile strength of 50 lbs, to ensure tags are held in place properly (don't use the plastic bracket that comes with the tag - the bracket should be discarded as the plastic ties will not fit through the bottom hole of the bracket). Two plastic ties must be utilized, one on each end of the tag.
- Mount tag so the tag number can be read when looking at the tag. On a container, the lower on the container the better – recommend 1 foot off the ground - remember, many containers are stacked or placed on trailers for movement, the higher the tag, the more difficult to read the number.
- Print a minimum of 3 Mylar Military Shipping Labels (MSL), 2 attached to the item and one wrapped around the upper portion of the RFID tag and not covering the battery compartment or the tag number. This ensures that the correct RFID tag is attached to the proper item. It also ensures that if the tag should become detached from the item, someone can reattach it. Without a label on the tag identifying the item it should be attached to, all tags look alike and the tag would have to be read to determine where it goes.
- Ensure all RFID Tag and MSL data fields are completely and accurately filled out.
- Place the tags according to the pictures contained in this document to better provide standardization. Tags cannot be read if placed inside metal containers and possibly not be read if on the backside of equipment or containers.

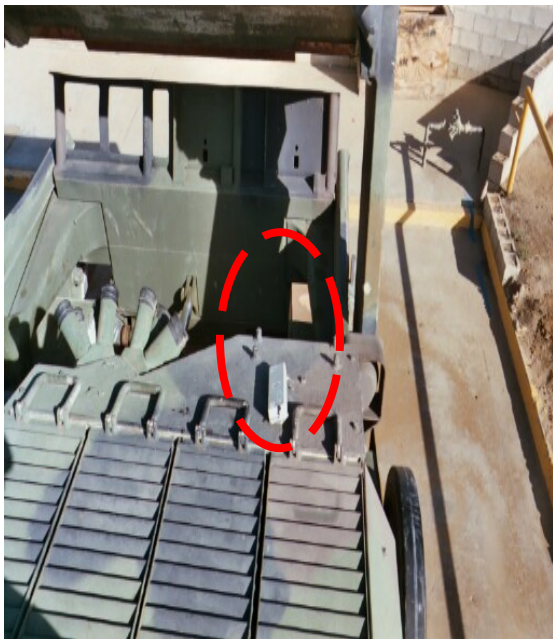
ENGINEER EQUIPMENT



AARDVARK



SCRAPER



M9 ACE



GRADER

ENGINEER EQUIPMENT



EXCAVATOR, MULTI-PURPOSE, 1085



FORKLIFT, TRK-RT, TX51-19M



ROLLER



TRAM

ENGINEER EQUIPMENT



SKYTRAK MMV TRK, LIFT FORK, R/T



LIGHT SET



PORTABLE WATER/FUEL TANK,
SIXCON



TACTICAL WELDING SHOP



GENERATOR SET, ALL IN THIS SERIES



TRAILER, WELDING

ENGINEER EQUIPMENT



D7 BULLDOZER, ARMORED



TRACTOR, FULL TRACKED, MC1150/55



D9 BULLDOZER, ARMORED



D7 BULLDOZER

ENGINEER EQUIPMENT



TRACTOR, SEE



CRANE, 7 1/2 TON



CRANE, 25 TON



ROWPU

ENGINEER EQUIPMENT



TANK, WATER, CHEST ASSEMBLY



20 FOOT SPREADER BAR, RTCH

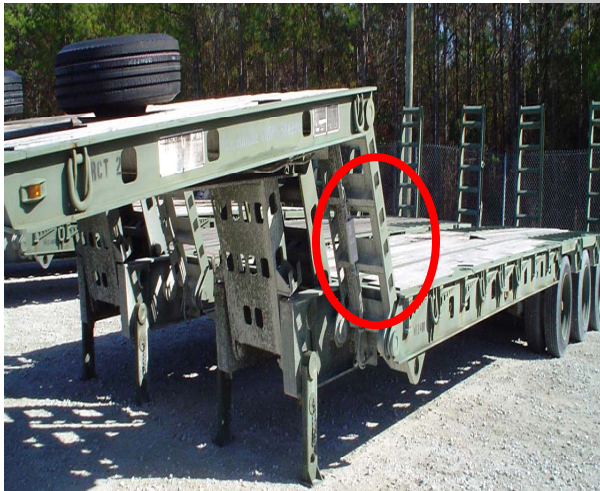
MOTOR TRANSPORT SUPPORT EQUIPMENT



LVS, MK-18A1, D0881



HMMWV (ALL VARIANTS)



TRAILER, M870



LVS (ALL VARIANTS)



MK18 TRAILER, RIBBON BRIDGE



MK17 (4X4) DROPSIDE UNIT

MOTOR TRANSPORT SUPPORT EQUIPMENT



TRUCK, 5 TON and 800 SERIES (ALL VARIANTS)



TRAILER TRAILER, M105 / M101



MTVR (ALL VARIANTS)



TRAILER, CHASIS

CONTAINER SUPPORT EQUIPMENT



TRAILER, LINE CHARGE



WATER BULL, M149

CONTAINER SUPPORT EQUIPMENT



QUADCON



ISU 90



SHELTER, 20'



US SI-003



AN/TTC



SHELTER, ELECTRIC EQUIP

CONTAINER SUPPORT EQUIPMENT



MILVAN AND/OR SEAVAN
CONTAINER, 20' / 40'



CONTAINER, HELICOPTER BLADES

COMBAT SUPPORT EQUIPMENT



AAV (All variants)



LAV



LAV



LAV



BRIDGE, MOTORIZED

COMBAT SUPPORT EQUIPMENT



FOX NBC VEHICLE



HOWITZER, M198



M88 TANK RETRIEVER

COMBAT SUPPORT EQUIPMENT



PLOW, TANK



M1A1 TANK

DRAFT

AVIATION SUPPORT EQUIPMENT



AVIATION SUPPORT EQUIPMENT



AVIATION SUPPORT EQUIPMENT



Appendix B

Standardized Naming Convention for RF Interrogator Sites

The standardized naming convention consists of three components, the site location, interrogator name, and the interrogator description. The first component, Site Location, is used to group the RF Sites at a site location, and may have to be manually updated. Interrogator Name may contain up to twenty characters for the name and must contain one character (R or W) to define the site's function and must contain a sequence number for the site. The second component, Interrogator Description, may contain up to 40 characters but it must contain the information in the specific format outlined below and conform to the rules in the table below. Examples of the standardized interrogator naming convention are provided below.

| Site Location (20 Characters maximum) | Interrogator Name (20 characters maximum) | | | Interrogator Description (40 characters maximum) |
|---|---|--|---|---|
| Primary name of Marine Corps Site/Camp locations are: 29 PALMS, ALBANY, BARSTOW, BEAUFORT, BLOUNT ISLAND, CHERRY POINT, FALLBROOK, HAWAII, IWAKUNI, LEJEUNE, MARCH, MIRAMAR, NEW RIVER, OKINAWA, PENDLETON, QUANTICO, YUMA. (All locations aboard Camp Pendleton would be <i>Pendleton</i> ; all sites in Okinawa would be <i>Okinawa</i>) | Name of Location (17 characters maximum) <i>i.e., Main Gate, APOD, 1FSSGSMU, Gate 2; CourtneyMTLot; FosterGate. Unit write stations would be similar construct: TSB; 1/12Embark; CSSG15MT; CSSG29PPP; etc.</i> | Function Type (1 character) “R” for Read “W” for Write | Sequence Number (1 character) 1 thru 9 | 1. No punctuation marks within description, i.e., no commas, dashes, colons, semi-colons, or periods are allowed. 2. If the site is an Early Entry Deployment Support Kit (EEDSK), “EEDSK,” must be inserted at the end of the description. 3. Country Codes must be standard and conform to country codes posted on the ITV Server |

1. INTERROGATOR NAME

a. Three different types of names:

- (1) CONUS Military Sites
- (2) OCONUS Military Sites
- (3) Commercial Sites

b. CONUS Military Sites. Use the name of the military installation but delete the prefix, i.e. Camp Lejeune, NC, would be listed as Lejeune. Follow guide in table above. Do not use the Camp, MCAS, MCB, MCBH, etc. in the name or in the description.

c. OCONUS Military Sites. Use the name of the military location, but delete the prefix, i.e. Camp Kinser in Okinawa would be listed as Kinser. Additional Camps affected by this naming convention would be Schwab, Hansen, Courtney, White Beach, Red Beach, Kinser, and Kadena – all falling under the site location of OKINAWA. When deployed, use the nearest city to the location burning tags.

d. Commercial Sites. Use the name of city the site is located in, i.e. DENVER, AUSTIN, SANFRAN (abbreviated for San Francisco).

e. Interrogator Function. All RF Interrogator sites will be designated as either a Read or Write Site. The letter “R,” will designate a Read site and the letter “W,” will designate a Write Site. The letter designating the site’s functions immediately follows the name of the military installation or city.

f. Sequence Number. The sequence number is a number assigned to differentiate each site from other sites of the same type on the same installation or at the same location, i.e. Camp Pendleton has several RF Interrogator sites and each site’s name would include its sequence number. (PENDLETONR1, PENDLETONR2, LEJEUNEW1). The sequence number is the next available number from 1 to 9. If an installation or location has more than 9 sites, the name of the site will be reduced by one character to accommodate the addition of an additional number. The site’s sequence number follows the function designator. **DO NOT DUPLICATE SEQUENCE NUMBERS AT THE SAME LOCATION.**

2. **INTERROGATOR DESCRIPTION.** The Interrogator Description must include the following information in the exact sequence described below.

a. **CONUS Military Sites.**

(1) Use the name of the military installation but delete the prefix, i.e. Camp Lejeune, NC, would be listed as LEJEUNE.

(2) State Abbreviation, i.e. NC for North Carolina, LA for Louisiana, etc.

(3) Description of Interrogator’s Function, i.e. Maine Gate, Lot 201, Railhead, etc.

(4) Mobile or Temporary Sites using an Early Entry Deployment Support Kit will add “EEDSK,” to the end of the description.

b. OCONUS Military Sites.

(1) Use the name of the military location, but delete the prefix, i.e. Camp Virginia in Iraq would be listed as VIRGINIA.

(2) Country Code, i.e. GE for Germany, JA for Japan, etc. (Authorized country codes are available on the ITV Server under the Queries.

(3) Description of Interrogator's Function, i.e. Main Gate, Truck Gate, APOD Arrival/Departure, etc.

(4) Mobile or Temporary Sites using an Early Entry Deployment Support Kit will add "EEDSK," to the end of the description.

3. EXAMPLES.

a. CONUS Military Site

(1) Two Read stations located at Camp Lejeune, NC. Site location is Lejeune.

Interrogator Name: *LEJEUNER1*

Interrogator Description: *LEJEUNE NC MAIN GATE READ*

Interrogator Name: *LEJEUNER2*

Interrogator Description: *LEJEUNE NC TRIANGLE GATE READ*

(2) One Write stations located at Camp Pendleton, CA. Site location is Pendleton.

Interrogator Name: *PENDLETONW1*

Interrogator Description: *PENDLETON CA SMU WRITE 1*

b. OCONUS Military Site (One Read station EEDSK and a Write station at "DDKS (DLA facility) in Kuwait.)

Interrogator Name: *VIRGINIAR1*

Interrogator Description: *VIRGINIA IZ MAIN GATE READ EEDSK*

Interrogator Name: *OKINAWAW1*

Interrogator Description: *KINSER OKI JA SMU WRITE 1*

c. CONUS/OCONUS Commercial Site

(1) One Read station located in Albany, GA. Site location is Albany.

Interrogator Name: *ALBANYR1*

Interrogator Description: *ALBANY GA TRUCK GATE READ*

(2) One Read station located at Air Terminal, Iwakuni, Japan. Site location is IWAKUNI.

Interrogator Name: *IWAKUNIRI*

Interrogator Description: *IWAKUNI JA AIR TERMINAL READ*

(4) One Write station for 3d MARDIV Headquarters, Okinawa, Japan. Site location is White Beach.

Site Location: OKINAWA

Interrogator (write station) Name: WHITEBEACHW9

Interrogator Description: OKINAWA JA 3DMARDIV PIER 1 WRITE

ACRONYMS

| | |
|---------|---|
| AIT | Automatic Identification Technologies |
| AIS | Automated Information Systems |
| AMS-TAC | Automated Manifest System - Tactical |
| CAC | Common Access Card |
| FTP | File Transfer Protocol |
| GTN | Global Transportation Network |
| HHI | Hand-Held Interrogator |
| ITV | In-Transit Visibility |
| JTAV | Joint Total Asset Visibility |
| OMC | Optical Memory Card |
| PDCD | Portable Data Collection Device |
| PDT | Portable Data Terminal |
| RDU | Rapid Deployment Unit |
| RF | Radio Frequency |
| RFID | Radio Frequency Identification |
| TAV | Total Asset Visibility |
| TIPS | Total Asset Visibility In-Transit Visibility Processing Station |
| TCMD | Transportation Control & Movement Document |
| TCN | Transportation Control Number |